



TITLE: A GENE DELIVERY VEHICLE
EXPRESSING THE APOPTOSIS-
INDUCING PROTEINS VP2 AND/OR
APOPTIN

Inventor: Noteborn et al.

Serial No.: 09/403,213

Fig. 1 of 7

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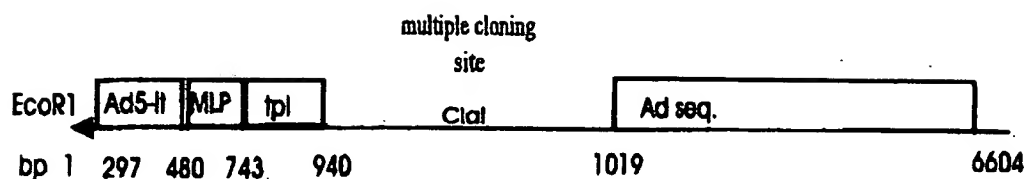
DEC 05 2002

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1/7

Fig. 1

pMad5 9270 bp



Ad5-5'PvuII (ITR, packaging signal)

Major late promoter (MLP)

Tripartite leader (tpI)

Ad5-BglII fragment (nt 3328-8914 Ad5)

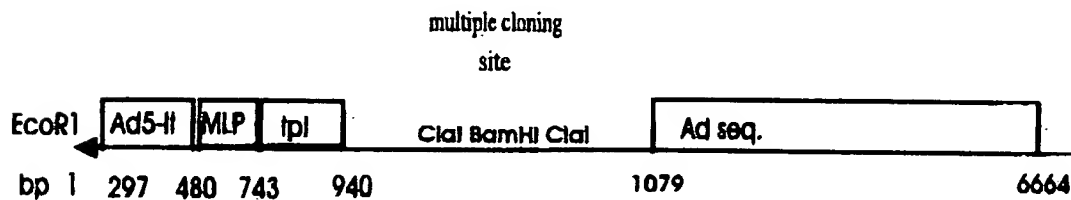
b lactamase

BamHI-Clal Linker

5'-GATCCCGCACGCGTGCAT-3' SEQ ID NO:5

3'-GGCGTGCACGCTAGC-5' SEQ ID NO:6

pMab 9306 bp





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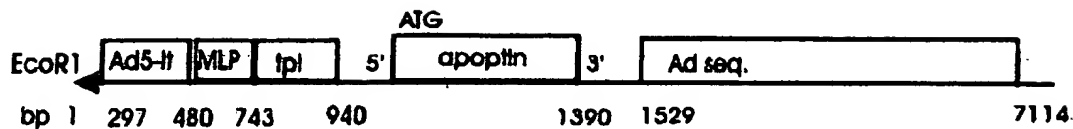
Serial No.: 09/403,213

Fig. 2 of 7

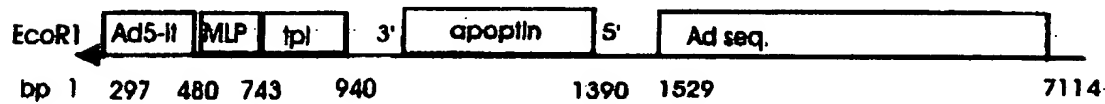
2/7

Fig. 2

pMabvp3 9756 bp



pMabcon 9756 bp





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Fig. 3 of 7

3/7

Fig. 3

Ad transfer vector vs cmv vector

911 3 days after transfection

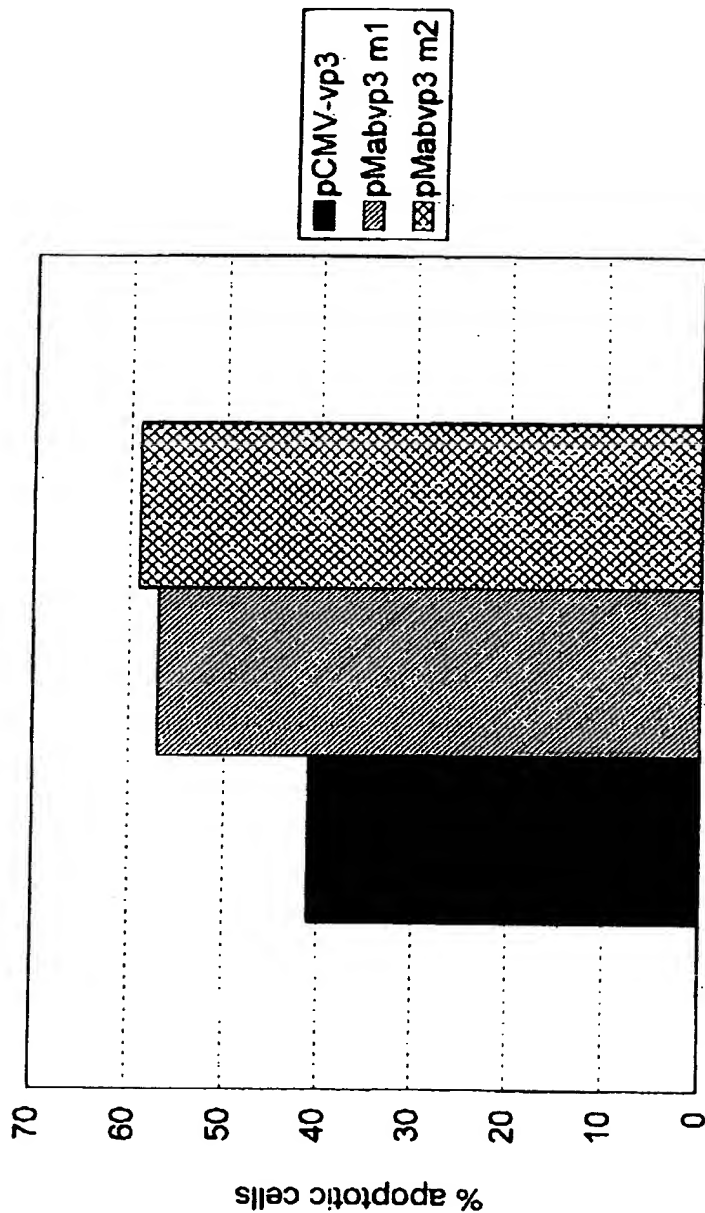
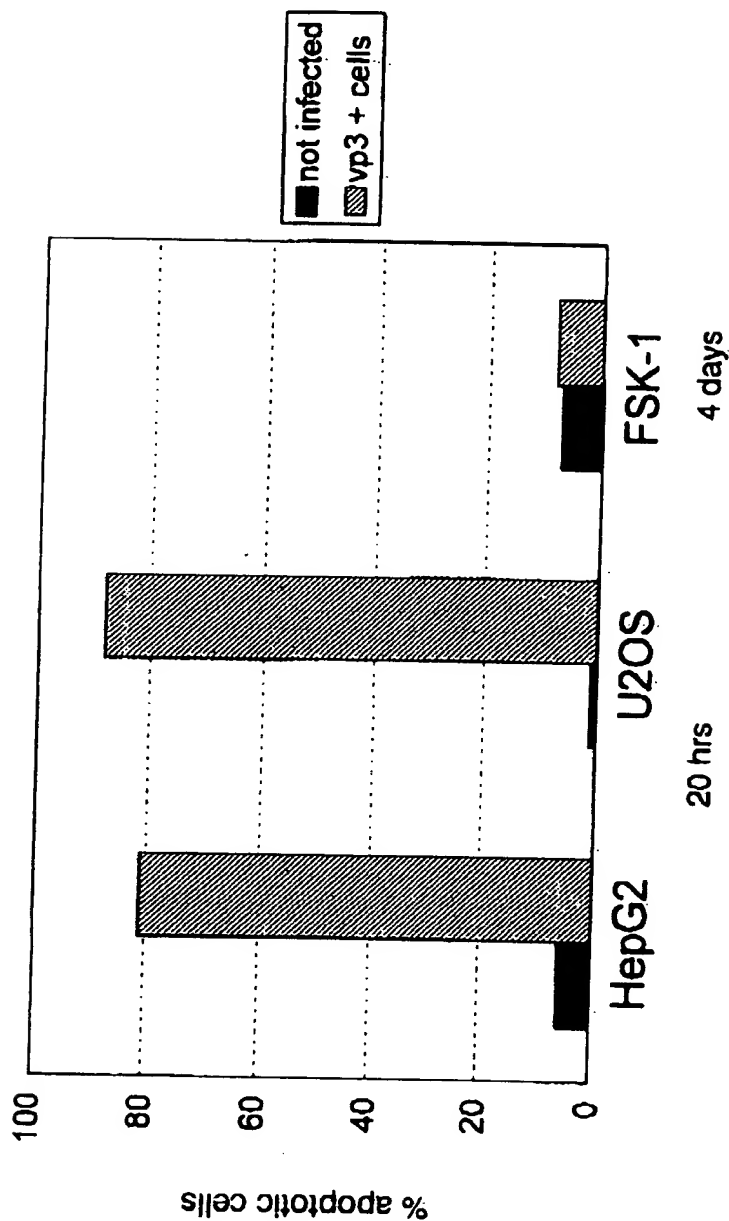




Fig. 4

effect Ad-vp3 on transformed and normal cells





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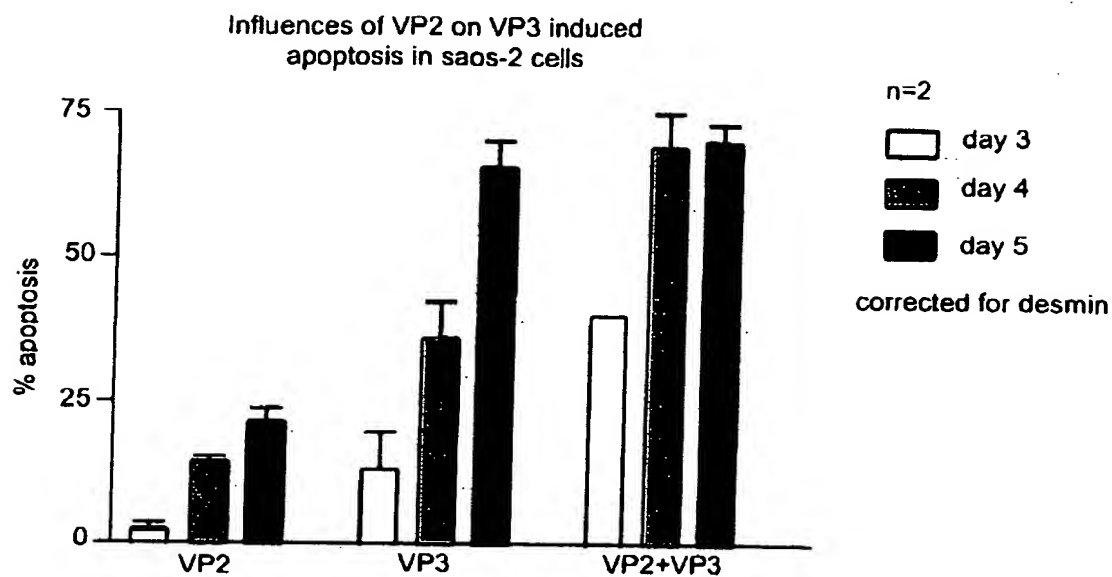
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Serial No.: 09/403,213

Fig. 5 of 7

5/7

Fig. 5





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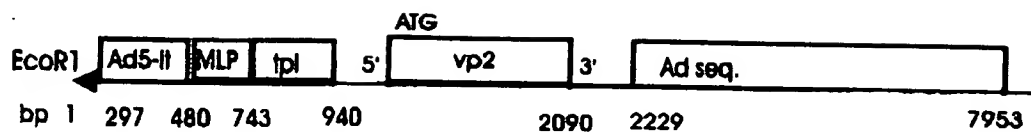
Serial No.: 09/403,213

Fig. 6 of 7

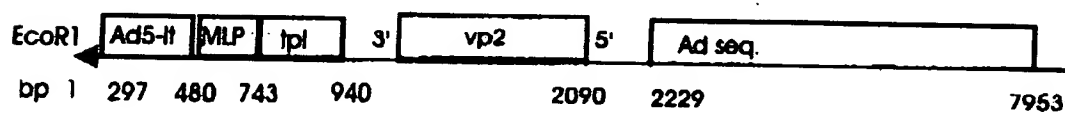
6/7

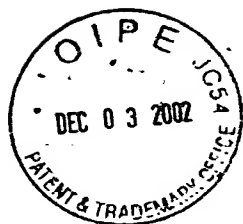
Fig. 6

pMabvp2 10456 bp



pMabcon2 10456 bp





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Fig. 7 of 7

717

Fig. 7

retroviral VP3 vector:

